

ABSTRACT OF THE DISCLOSURE

When an output signal is multiplied with a gain, a dark current is also multiplied with the gain. A dark current having almost no influence at room temperature may saturate the output signal with a high gain at a high temperature. The magnitude of the gain is conventionally determined by the magnitude of a dark current which the distance measuring apparatus guarantees at highest temperatures. An image sensing apparatus of this invention includes a signal generator adapted to generate a signal upon reception of input light, a transfer unit adapted to transfer the signal generated by the signal generator, a temperature measuring unit adapted to measure a temperature, an amplification unit adapted to amplify the signal transferred from the transfer unit, and a control unit adapted to control the gain of the amplification unit at a first temperature to be lower than the gain of the amplification unit at a second temperature in accordance with a measurement by the temperature measuring unit, the second temperature being lower than the first temperature.